

## ABSTRACT

An outer ring [[3]] is provided with the stator [[7]] of a resolver [[2]], and a ring member [[4]] with the rotor [[8]] of the resolver [[2]]. The stator [[7]] comprises an annular core [[9]] and a winding [[10]] provided around the core [[9]]. The ring member [[4]] is provided at a position opposed to the stator [[7]] with an eccentric cylindrical face serving as the rotor [[8]] and eccentric with respect to other outer peripheral surface of the ring member [[4]].